



* Where specific footing concrete and stem concrete items are included in the Proposal for a particular wall, these shall be the pay limits. Where no specific items have been set up in the Proposal, the cost of wall shall be included in the main structure Contract price, i.e.; box culvert, (where wings are included in box culvert item); retaining wall, (where no separate pay items are established), etc.

*** Alternate Hooked Bars with Straight Bars

Wall Type	H	A	B	C	D	E	F	G	Straight Rear Dowel Bar	Hooked Rear Dowel Bar	Main Stem Bar	Top Foot. Bar
E-I	6'-0"	1'-0"	1'-9"	4'-6"	7'-3"	1'-0"	2'-2"	1'-0"	#5 @ 2'-0" %	#5 @ 2'-0" %	#5 @ 1'-0" %	#5 @ 6" %
E-II	8'-0"	1'-0"	1'-9"	4'-9"	7'-6"	1'-0"	2'-2"	1'-0"	#5 @ 2'-0" %	#5 @ 2'-0" %	#5 @ 1'-0" %	#5 @ 6" %
E-III	10'-0"	1'-0"	1'-9"	5'-6"	8'-3"	1'-0"	2'-7"	2'-0"	#6 @ 1'-0" %	#6 @ 1'-0" %	#6 @ 1'-0" %	#6 @ 6" %
E-IV	12'-0"	1'-3"	2'-0"	7'-3"	10'-6"	1'-6"	3'-6"	2'-0"	#7 @ 1'-0" %	#7 @ 1'-0" %	#7 @ 1'-0" %	#7 @ 6" %
E-V	14'-0"	1'-6"	2'-6"	7'-6"	11'-6"	1'-9"	3'-6"	3'-0"	#7 @ 1'-0" %	#7 @ 1'-0" %	#7 @ 1'-0" %	#7 @ 6" %
E-VI	16'-0"	1'-9"	3'-0"	8'-6"	13'-3"	2'-0"	4'-7"	3'-0"	#8 @ 1'-0" %	#8 @ 1'-0" %	#8 @ 1'-0" %	#8 @ 6" %
E-VII	18'-0"	2'-3"	3'-6"	10'-3"	16'-0"	2'-3"	5'-9"	3'-0"	#9 @ 1'-0" %	#9 @ 1'-0" %	#9 @ 1'-0" %	#9 @ 6" %
E-VIII	20'-0"	2'-9"	4'-3"	12'-0"	19'-0"	2'-6"	5'-9"	3'-0"	#9 @ 1'-0" %	#9 @ 1'-0" %	#9 @ 1'-0" %	#9 @ 6" %

Notes:

1. A "Good Soil Condition" is that foundation material that can support a safe bearing pressure of 4 ksf and has an angle of friction of 30°.
2. If in the length of a wall the type of wall changes and provides for a different thickness of stem, then "Detail A" shall be used for all walls of greater than the least wall thickness.
3. Contractor has option of lapping main stem reinforcement with rear dowel reinforcement as shown; or by extending the rear dowel reinforcement with no splicing. However, no additional compensation to Contractor will be allowed for whichever alternative is selected.
4. These walls are valid if the sloping backfill levels off and traffic is present on the level area.

APPROVAL	
<i>E. S. Friedman</i>	DIRECTOR
OFFICE OF STRUCTURES	
DATE: 7/16/02	
REVISIONS	
SHA	FHWA
5-8-08	.
.	.
FHWA APPROVAL	.
DATE:	.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

TYPE E RETAINING WALL SECTION
(FOR GOOD SOIL CONDITION
AND SLOPING GROUNDLINE)

STANDARD NO. RW(6.07)-02-341

SHEET 1 OF 1

